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INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

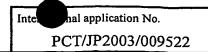
(Chapter II of the Patent Cooperation Treaty)

(PCT Article 36 and Rule 70)

| Applicant's or agent's file reference 283PCT | FOR FURTHER A | CTION | See Form PCT/IPEA/416 | | | |
|---|--|---|---|--|--|--|
| International application No. | International filing da | | Priority date (day/month/year) | | | |
| PCT/JP2003/009522 | 28 July 2003 | (28.07.2003) | 26 July 2002 (26.07.2002) | | | |
| International Patent Classification (IPC) or n H01G 9/038, 9/035 | ational classification ar | nd IPC | | | | |
| Applicant SA | NYO CHEMICAL | INDUSTRIES, L | TD. | | | |
| This report is the international prelir Authority under Article 35 and trans | ninary examination rep smitted to the applicant | ort, established by this according to Article 3 | s International Preliminary Examining 6. | | | |
| 2. This REPORT consists of a total of | | · · | sheet. | | | |
| 3. This report is also accompanied by A | | | | | | |
| a. (sent to the applicant and | to the International Bu | reau) a total of | sheets, as follows: | | | |
| sheets of the desc and/or sheets con Administrative In | taining rectifications au | rawings which have b thorized by this Authoric | seen amended and are the basis of this report ority (see Rule 70.16 and Section 607 of the | | | |
| sheets which super beyond the disclo Supplemental Box | sure in the internations | nt which this Authority al application as filed, | y considers contain an amendment that goes as indicated in item 4 of Box No. I and the | | | |
| b. (sent to the Internation | nal Bureau only) a , contai | ning a sequence listing | rpe and number of electronic carrier(s)) ng and/or tables related thereto, in computer o Sequence Listing (see Section 802 of the | | | |
| 4. This report contains indications relat | ting to the following ite | ms: | | | | |
| Box No. I Basis of the re | port | | | | | |
| Box No. II Priority | | | | | | |
| Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability | | | | | | |
| Box No. IV Lack of unity of invention | | | | | | |
| Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement | | | | | | |
| Box No. VI Certain documents cited | | | | | | |
| Box No. VII Certain defects in the international application | | | | | | |
| Box No. VIII Certain observ | Box No. VIII Certain observations on the international application | | | | | |
| Date of submission of the demand | | Date of completion of | of this report | | | |
| 15 January 2004 (15.01 | .2004) | 28 | July 2004 (28.07.2004) | | | |
| Name and mailing address of the IPEA/JP | | Authorized officer | | | | |
| Facsimile No. | | Telephone No | | | | |

Translation

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY



| Box No. | -1 | Basis of the report |
|---------------|------------------------------|---|
| 1. With other | regard wise in | to the language, this report is based on the international application in the language in which it was filed, unless adicated under this item. |
| | This whic | report is based on translations from the original language into the following language, this language of a translation furnished for the purpose of: |
| | | international search (under Rules 12.3 and 23.1(b)) |
| Ì | | publication of the international application (under Rule 12.4) |
| | | international preliminary examination (under Rules 55.2 and/or 55.3) |
| | | |
| furnis | shed to are not The in | d to the elements of the international application, this report is based on (replacement sheets which have been the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" annexed to this report): International application as originally filed/furnished |
| | | escription: |
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| | a sequ | nence listing and/or any related table(s) - see Supplemental Box Relating to Sequence Listing. |
| | | |
| 3 | The a | mendments have resulted in the cancellation of: |
| | | the description, pages |
| | | the claims, Nos. |
| | \Box | the drawings, sheets/figs |
| | 而 | the sequence listing (specify): |
| | \sqcap | any table(s) related to sequence listing (specify): |
| | لسسا | , |
| 4. | made, (Rule | report has been established as if (some of) the amendments annexed to this report and listed below had not been since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box 70.2(c)). the description, pages |
| * If iten | ı 4 apı | plies, some or all of those sheets may be marked "superseded." |

| Statement | • | | |
|-------------------------------|--------|-----|-----|
| Novelty (N) | Claims | 1-8 | YES |
| | Claims | | NO |
| Inventive step (IS) | Claims | | YES |
| | Claims | 1-8 | NO |
| Industrial applicability (IA) | Claims | 1-8 | YES |
| | Claims | | NO |

2. Citations and explanations (Rule 70.7)

Document 1: JP, 2000-281657, A (SANYO CHEMICAL INDUSTRIES, LTD.), 10 October 2000

Document 2: JP, 2000-232037, A (SANYO CHEMICAL INDUSTRIES, LTD.), 22 August 2000

Document 3: JP, 2000-311839, A (MITSUBISHI CHEMICAL CORPORATION), 07 November 2000

Document 4: WO, 95-15572, A1 (SANYO CHEMICAL INDUSTRIES, LTD.), 08 June 1995 & EP, 684620, A1

Claims 1-8

Document 1 cited in the ISR (see, in particular, the claims; Par. Nos. [0035]-[0041], [0045]) describes using 1-ethyl-3-methylimidazolium tetrafluoroborate produced while removing secondarily produced carbon dioxide gas to outside the system as an electrolyte for an electrical double-layer capacitor, and describes using carbonates, etc. as a solvent for the electrolyte, and says there are few impurities included in this electrolyte.

Therefore the cycloamidinium salt derivative (produced by reacting a cycloamidinium salt and carbon dioxide gas) defined by formula (2) in claim 1 can be understood as something no greater than the specified value. Therefore claims 1-8 do not involve an inventive step.

Document 2 cited in the ISR (see, in particular, the claims; Par. Nos. [0012]-[0017]), document 3 cited in the ISR (see, in particular, the claims; Par. No. [0017]), and document 4 cited in the ISR (see, in particular, the claims) describe using a salt consisting of 1,3-dimethylimidazolium or 1-ethyl-3-methylimidazolium and an organic acid as the solute for an electrolyte for an electrochemical capacitor.

In addition, document 3 cited in the ISR pertains to an electrolyte used in an electrochemical capacitor and specifies the impurities and says the content of those impurities is no greater than a specified value in order to satisfy the desired characteristics. Therefore constituting the invention of claims 1-8 based on documents 1-4 cited in the ISR could easily be conceived by a person skilled in the art.

Therefore the subject matter of claims 1-8 does not involve an inventive step.